

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	0	700/28.clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/18 13:15
L3	687	700/28.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/18 13:15
L4	128	700/50.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/18 13:16
L5	530	700/1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/18 13:17
L6	163	700/23.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/18 13:18
L7	641	700/19.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/18 13:18
L8	26	(US-20040024750-\$ or US-20030110148-\$ or US-20040030420-\$ or US-20020042783-\$ or US-20030172368-\$ or US-20020099673-\$ or US-20030093392-\$ or US-20030078899-\$ or US-20030208451-\$ or US-20020016665-\$).did. or (US-6701236-\$ or US-6490237-\$ or US-5701400-\$ or US-5740323-\$ or US-6751599-\$ or US-6711556-\$ or US-6405122-\$ or US-6161061-\$ or US-5349646-\$ or US-6188988-\$ or US-5263123-\$ or US-6721718-\$ or US-6496761-\$ or US-6463371-\$ or US-6829604-\$ or US-6411944-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/02/18 14:46
L9	14	L8 and (motorcycle or motorcycles or cycle or cycles or (motor adj2 (cycle or cycles)))	US-PGPUB; USPAT	OR	OFF	2007/02/18 15:01
L10	17	L8 and (simulation or simulations or simulated or simulating)	US-PGPUB; USPAT	OR	OFF	2007/02/18 15:01
L11	12	L8 and (motorcycle or motorcycles or cycle or cycles or (motor adj2 (cycle or cycles))) and (simulation or simulations or simulated or simulating)	US-PGPUB; USPAT	OR	OFF	2007/02/18 15:28

## EAST Search History

L12	18	L8 and (eliminate or eliminates or eliminated or eliminating or remove or removes or removing or removed or delete or deletes or deleting or deleted)	US-PGPUB; USPAT	OR	OFF	2007/02/18 15:30
L13	4	L8 and ((eliminate or eliminates or eliminated or eliminating or remove or removes or removing or removed or delete or deletes or deleting or deleted) near5 (rule or rules))	US-PGPUB; USPAT	OR	OFF	2007/02/18 15:31
L14	5	L8 and (fire or firing)	US-PGPUB; USPAT	OR	OFF	2007/02/18 15:32
L15	1	"20050197994".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/18 15:36
S1	1	("20050119986").PN.	USPAT; USOCR; DERWENT	OR	OFF	2007/02/18 15:35

## EAST Search History

S2	200	(US-4449180-\$ or US-5262984-\$ or US-5486744-\$ or US-5423727-\$ or US-5761387-\$ or US-4866502-\$ or US-4987483-\$ or US-5560857-\$ or US-6310668-\$ or US-6351569-\$ or US-6373408-\$ or US-4564038-\$ or US-5214515-\$ or US-5339165-\$ or US-5446552-\$ or US-4854221-\$ or US-5210467-\$ or US-5219167-\$ or US-5309830-\$ or US-5629603-\$ or US-5754041-\$ or US-4269045-\$ or US-4272459-\$ or US-4278943-\$ or US-4292128-\$ or US-4299104-\$).did. or (US-4316440-\$ or US-4333620-\$ or US-4354738-\$ or US-4356694-\$ or US-4374346-\$ or US-4393958-\$ or US-4398140-\$ or US-4411236-\$ or US-4423389-\$ or US-4433428-\$ or US-4456939-\$ or US-4470109-\$ or US-4473767-\$ or US-4492202-\$ or US-4513716-\$ or US-4521735-\$ or US-4523234-\$ or US-4538145-\$ or US-4538923-\$ or US-4541072-\$ or US-4550281-\$ or US-4551644-\$ or US-4551031-\$ or US-4553530-\$ or US-4571207-\$ or US-4570874-\$ or US-4575323-\$).did. or (US-4576027-\$ or US-4576253-\$ or US-4593524-\$ or US-4594983-\$ or US-4594982-\$ or US-4603412-\$ or US-4610031-\$ or US-4610232-\$ or US-4618779-\$ or US-4759012-\$ or US-4792828-\$ or US-4796112-\$ or US-4801930-\$ or US-4807239-\$ or US-4815060-\$ or US-4816930-\$ or US-4820943-\$ or US-4825176-\$ or US-4832082-\$ or US-4833422-\$ or US-4840030-\$ or US-4843382-\$ or US-4845969-\$ or US-4865278-\$ or US-4868692-\$ or US-4873669-\$ or US-4879715-\$).did. or (US-4897839-\$ or US-4910468-\$ or US-4910756-\$ or US-4912680-\$ or US-4922527-\$ or US-4924192-\$ or US-4924724-\$ or US-4928021-\$ or US-4928198-\$ or US-4930915-\$ or US-4931251-\$ or US-4931672-\$ or US-4931999-\$ or US-4956812-\$ or US-4963862-\$ or US-4967133-\$ or US-4972221-\$ or US-4980745-\$ or US-4983905-\$ or US-4990346-\$ or US-4996406-\$ or US-5001334-\$ or US-5003533-\$ or US-5003951-\$ or US-5014542-\$ or US-5015846-\$ or US-5020126-\$).did. or (US-5180985-\$ or US-5182527-\$ or US-5182748-\$ or US-5184052-\$ or US-5184334-\$ or US-5184526-\$ or US-5192914-\$ or US-5199110-\$ or US-5203024-\$ or US-5210440-\$ or US-5210693-\$ or	USPAT	OR	OFF	2006/08/03 16:07
2/18/2007 4:22:08 PM H:\10897978.wsp						Page 3

## EAST Search History

S4	2	litvintseva.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 10:40
S5	3	(sergey near3 ulyanov).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 16:09
S6	3	(viktor near3 ulyanov).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 16:16
S7	34	(kazuki near3 takahashi).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 16:17
S8	1	"6578018".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 11:48
S9	2	("6578018").URPN.	USPAT	OR	OFF	2006/08/04 11:48
S10	3	("5819242"   "5971579"   "6317766"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:42
S11	6615	(sugeno or mamdani or tsukamoto)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:52

## EAST Search History

S12	200	(US-4449180-\$ or US-5262984-\$ or US-5486744-\$ or US-5423727-\$ or US-5761387-\$ or US-4866502-\$ or US-4987483-\$ or US-5560857-\$ or US-6310668-\$ or US-6351569-\$ or US-6373408-\$ or US-4564038-\$ or US-5214515-\$ or US-5339165-\$ or US-5446552-\$ or US-4854221-\$ or US-5210467-\$ or US-5219167-\$ or US-5309830-\$ or US-5629603-\$ or US-5754041-\$ or US-4269045-\$ or US-4272459-\$ or US-4278943-\$ or US-4292128-\$ or US-4299104-\$).did. or (US-4316440-\$ or US-4333620-\$ or US-4354738-\$ or US-4356694-\$ or US-4374346-\$ or US-4393958-\$ or US-4398140-\$ or US-4411236-\$ or US-4423389-\$ or US-4433428-\$ or US-4456939-\$ or US-4470109-\$ or US-4473767-\$ or US-4492202-\$ or US-4513716-\$ or US-4521735-\$ or US-4523234-\$ or US-4538145-\$ or US-4538923-\$ or US-4541072-\$ or US-4550281-\$ or US-4551644-\$ or US-4551031-\$ or US-4553530-\$ or US-4571207-\$ or US-4570874-\$ or US-4575323-\$).did. or (US-4576027-\$ or US-4576253-\$ or US-4593524-\$ or US-4594983-\$ or US-4594982-\$ or US-4603412-\$ or US-4610031-\$ or US-4610232-\$ or US-4618779-\$ or US-4759012-\$ or US-4792828-\$ or US-4796112-\$ or US-4801930-\$ or US-4807239-\$ or US-4815060-\$ or US-4816930-\$ or US-4820943-\$ or US-4825176-\$ or US-4832082-\$ or US-4833422-\$ or US-4840030-\$ or US-4843382-\$ or US-4845969-\$ or US-4865278-\$ or US-4868692-\$ or US-4873669-\$ or US-4879715-\$).did. or (US-4897839-\$ or US-4910468-\$ or US-4910756-\$ or US-4912680-\$ or US-4922527-\$ or US-4924192-\$ or US-4924724-\$ or US-4928021-\$ or US-4928198-\$ or US-4930915-\$ or US-4931251-\$ or US-4931672-\$ or US-4931999-\$ or US-4956812-\$ or US-4963862-\$ or US-4967133-\$ or US-4972221-\$ or US-4980745-\$ or US-4983905-\$ or US-4990346-\$ or US-4996406-\$ or US-5001334-\$ or US-5003533-\$ or US-5003951-\$ or US-5014542-\$ or US-5015846-\$ or US-5020126-\$).did. or (US-5180985-\$ or US-5182527-\$ or US-5182748-\$ or US-5184052-\$ or US-5184334-\$ or US-5184526-\$ or US-5192914-\$ or US-5199110-\$ or US-5203024-\$ or US-5210440-\$ or US-5210603-\$ or	USPAT	OR	OFF	2006/08/04 14:43
2/18/2007 4:22:08 PM H:\10897978.wsp						Page 5

## EAST Search History

S13	0	S11 and S12	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:43
S14	164	706/59.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:46
S15	115	706/8.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:46
S16	310	706/50.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:46
S17	557	S14 or S15 or S16	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:47
S18	0	S17 and S12	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:47
S19	24	S17 and S11	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:47
S20	17	(sugeno and mamdani) or (sugeno and tsukamoto) or (mamdani and tsukamoto)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 16:06
S21	2	(sugeno and mamdani and tsukamoto)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:58
S22	32	(genetic adj2 algorithm) and (inference adj2 engine)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:06
S23	8	(genetic adj2 algorithm) and (inference adj2 engine) and (user adj2 input)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:12
S24	109	(fuzzy adj (inference adj engine))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:12
S25	7	(fuzzy adj (inference adj engine)) and (genetic adj algorithm)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:41
S26	5663	(user adj3 select) and (optimizer or optimizing or optimizes)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:43
S27	113	(user adj3 select) and (optimizer or optimizing or optimizes) and (genetic adj2 algorithm)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:55

## EAST Search History

S28	100	(user adj3 select) and (optimizer or optimizing or optimizes) and (genetic adj algorithm)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:54
S29	86	(user adj3 select) and (optimizer or optimizing or optimizes) and (genetic adj2 algorithm) and (rule or rules)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 17:55
S30	1	"5740323".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 09:41
S31	2	(sergey near3 panfilov).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 10:26
S32	20	(creating or creates or create) adj3 (knowledge adj bases)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/09 15:35
S33	14	(creating or creates or create) adj3 (knowledge adj bases) and (rule or rules)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/09 15:35
S34	8	(creating or creates or create) adj3 (knowledge adj bases) and (rule or rules) and (maximizing or maximize or minimize or minimizing or optimizing or optimize or optimizes)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/09 15:38
S35	10	(selecting or selects or selected) adj2 (linguistic adj (variable or variables or parameters or parameter))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/09 15:41
S36	8	((selecting or selects or selected) adj2 (linguistic adj (variable or variables or parameters or parameter))) and (optimize or optimizing or optimal or optimized or minimize or minimizing or maximizing or maximizes or maximum)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/09 15:44
S37	6	(create or creates or creating) adj3 (teaching adj signal)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/09 15:46
S38	9	(optimize or optimizes or optimizing) adj2 (membership adj (function or functions))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 12:14
S39	4	((optimize or optimizes or optimizing) adj3 (membership adj (function or functions))) with (parameter or parameters or number or type or types)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 12:17
S40	13	((optimize or optimizes or optimizing) with (membership adj (function or functions))) with (parameter or parameters or number or type or types)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 12:17

## EAST Search History

S42	10	sugeno with order	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 15:29
S43	0	(algorithm with depends) and (fuzzy or inference)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 15:30
S44	186	(algorithm with depends) and (fuzzy or inference)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 15:31
S45	19	(algorithm with depends) and ((fuzzy or inference) adj3 system)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 15:31
S46	8	(algorithm with depends) with (fuzzy or inference)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/10 15:32
S47	1	"20030078899".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:46
S48	1	"5740323".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:47
S49	1	"20020099673".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:48
S50	1	"6188988".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:48
S51	1	"5263123".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:49
S52	1	"20030208451"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:49
S53	7082	"706".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:50
S54	17286	(motorcycle or motorcycles)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:52
S55	14	S53 and S54	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:50
S56	597858	(passenger or passengers or rider or riders or driver or drivers)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:53



## EAST Search History

S57	7427	S54 and S56	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 15:53
S58	8	S57 and S53	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 16:37
S59	4	S58 and cycle	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 17:08
S61	24	motorcycle and (genetic adj (algorithm or algorithms))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/17 17:08
S62	1	"6463371".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:14
S63	1	"6721718".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:14
S64	1	"6496761".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:14
S65	1	"6701263".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:15
S66	1	"6701236".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:15
S67	0	"2002/0016665".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:15
S68	1	"20020016665".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:15
S69	1	"20030093392".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:16
S70	1	"6829604".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:16
S71	1	"20040030420".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:17
S72	1	"20030078899".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:17

## EAST Search History

S73	1	"20030172368".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:18
S74	1	"5740323".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:18
S75	1	"5349646".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:18
S76	1	"6711556".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:19
S77	1	"20020099673".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:19
S78	1	"6161061".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:19
S79	1	"6188988".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:20
S80	1	"6490237".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:20
S81	1	"5263123".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:20
S82	1	"20030208451".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:20
S83	25	(US-20030208451-\$ or US-20020016665-\$ or US-20030172368-\$ or US-20030078899-\$ or US-20030093392-\$ or US-20040030420-\$ or US-20020042783-\$ or US-20030110148-\$ or US-20020099673-\$ or US-20040024750-\$).did. or (US-5740323-\$ or US-6490237-\$ or US-6188988-\$ or US-6701236-\$ or US-6751599-\$ or US-5263123-\$ or US-6711556-\$ or US-5701400-\$ or US-5349646-\$ or US-6405122-\$ or US-6161061-\$ or US-6463371-\$ or US-6721718-\$ or US-6496761-\$ or US-6829604-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/08/21 10:21

## EAST Search History

S84	25	(US-20030208451-\$ or US-20020016665-\$ or US-20030172368-\$ or US-20030078899-\$ or US-20030093392-\$ or US-20040030420-\$ or US-20020042783-\$ or US-20030110148-\$ or US-20020099673-\$ or US-20040024750-\$).did. or (US-5740323-\$ or US-6490237-\$ or US-6188988-\$ or US-6701236-\$ or US-6751599-\$ or US-5263123-\$ or US-6711556-\$ or US-5701400-\$ or US-5349646-\$ or US-6405122-\$ or US-6161061-\$ or US-6463371-\$ or US-6721718-\$ or US-6496761-\$ or US-6829604-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/08/21 11:34
S85	10	S84 and (fnn)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 11:34
S86	3	S84 and mamdani	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 16:19
S87	25	(US-20030208451-\$ or US-20020016665-\$ or US-20030172368-\$ or US-20030078899-\$ or US-20030093392-\$ or US-20040030420-\$ or US-20020042783-\$ or US-20030110148-\$ or US-20020099673-\$ or US-20040024750-\$).did. or (US-5740323-\$ or US-6490237-\$ or US-6188988-\$ or US-6701236-\$ or US-6751599-\$ or US-5263123-\$ or US-6711556-\$ or US-5701400-\$ or US-5349646-\$ or US-6405122-\$ or US-6161061-\$ or US-6463371-\$ or US-6721718-\$ or US-6496761-\$ or US-6829604-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/08/21 16:20
S88	3	S87 and rank	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 16:20
S89	3	S87 and (rank or ranking)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 16:51
S90	1236	linguistic and (control and controller)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 16:51

## EAST Search History

S91	220	linguistic and (control and controller) and "706"/.clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 17:09
S92	15	linguistic and (control and controller) and "706"/.clas. and (rank or ranks or ranking)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 17:37
S93	85	fuzzy and (control and controller) and "706"/.clas. and (rank or ranks or ranking)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 17:38
S94	3	fuzzy and (control and controller) and "706"/.clas. and ((rank or ranks or ranking) adj (rule or rules))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 17:38
S95	1	"20050197994".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 20:10
S96	25	(fujii near3 shigeru).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 20:11
S97	220	(hitoshi near3 watanabe).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 20:11
S98	220	(hitoshi near2 watanabe).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 20:11
S99	1	"20050197994".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 16:19
S10 0	514329	(optimize or optimizes or optimized or optimization optimizations or optimizing)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 17:46
S10 1	362454	(rule or rules)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 17:28
S10 2	777389	(model or models or modeling or modelling or modeled or modelled)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 16:31
S10 3	4139210	(control or controls or controlled or controller)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 17:48
S10 4	75293	(optimize or optimizes or optimized or optimization optimizations or optimizing) and (rule or rules)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 16:32
S10 5	42914	(optimize or optimizes or optimized or optimization optimizations or optimizing) and (rule or rules) and (model or models or modeling or modelling or modeled or modelled)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 16:32

## EAST Search History

S10 6	39593	(optimize or optimizes or optimized or optimization optimizations or optimizing) and (rule or rules) and (model or models or modeling or modelling or modeled or modelled) and (control or controls or controlled or controller)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 16:32
S10 7	20205	(fuzzy or fuzziness)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 16:32
S10 8	2605	(optimize or optimizes or optimized or optimization optimizations or optimizing) and (rule or rules) and (model or models or modeling or modelling or modeled or modelled) and (control or controls or controlled or controller) and (fuzzy or fuzziness)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 16:46
S10 9	669127	(learn or learns or learned or learning or learner or teach or teaches or teachers or teaching or taught)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 16:45
S11 0	1748	(optimize or optimizes or optimized or optimization optimizations or optimizing) and (rule or rules) and (model or models or modeling or modelling or modeled or modelled) and (control or controls or controlled or controller) and (fuzzy or fuzziness) and (learn or learns or learned or learning or learner or teach or teaches or teachers or teaching or taught)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 16:55
S11 1	4562395	(rank or ranks or ranked or ranking or rankings or sort or sorts or sorting or sorted or order or orders or ordering or ordered or ordering)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 16:55
S11 2	1703	(optimize or optimizes or optimized or optimization optimizations or optimizing) and (rule or rules) and (model or models or modeling or modelling or modeled or modelled) and (control or controls or controlled or controller) and (fuzzy or fuzziness) and (learn or learns or learned or learning or learner or teach or teaches or teachers or teaching or taught) and (rank or ranks or ranked or ranking or rankings or sort or sorts or sorting or sorted or order or orders or ordering or ordered or ordering)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 16:55

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S11 3	18459	((rank or ranks or ranked or ranking or rankings or sort or sorts or sorting or sorted or order or orders or ordering or ordered or ordering) near5 (rule or rules))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 17:45
S11 4	5382	(optimize or optimizes or optimized or optimization optimizations or optimizing) and ((rank or ranks or ranked or ranking or rankings or sort or sorts or sorting or sorted or order or orders or ordering or ordered or ordering) near5 (rule or rules))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 17:48
S11 5	4888	(optimize or optimizes or optimized or optimization optimizations or optimizing) and ((rank or ranks or ranked or ranking or rankings or sort or sorts or sorting or sorted or order or orders or ordering or ordered or ordering) near5 (rule or rules)) and (control or controls or controlled or controller or controlling)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 17:49
S11 6	3315	(optimize or optimizes or optimized or optimization optimizations or optimizing) and ((rank or ranks or ranked or ranking or rankings or sort or sorts or sorting or sorted or order or orders or ordering or ordered or ordering) near5 (rule or rules)) and (control or controls or controlled or controller or controlling) and (model or models or modeling or modelling or modeled or modelled)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 17:56
S11 7	328	(optimize or optimizes or optimized or optimization optimizations or optimizing) and ((rank or ranks or ranked or ranking or rankings or sort or sorts or sorting or sorted or order or orders or ordering or ordered or ordering) near5 (rule or rules)) and (control or controls or controlled or controller or controlling) and (model or models or modeling or modelling or modeled or modelled) and (fuzzy or fuzziness)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 17:57

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S11 8	1820	(optimize or optimizes or optimized or optimization optimizations or optimizing) and ((rank or ranks or ranked or ranking or rankings or sort or sorts or sorting or sorted or order or orders or ordering or ordered or ordering) near5 (rule or rules)) and (control or controls or controlled or controller or controlling) and (learn or learns or learned or learning or learner or teach or teaches or teachers or teaching or taught)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 17:57
S11 9	253	(optimize or optimizes or optimized or optimization optimizations or optimizing) and ((rank or ranks or ranked or ranking or rankings or sort or sorts or sorting or sorted or order or orders or ordering or ordered or ordering) near5 (rule or rules)) and (control or controls or controlled or controller or controlling) and (learn or learns or learned or learning or learner or teach or teaches or teachers or teaching or taught) and (fuzzy or fuzziness)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 17:58
S12 0	232	(optimize or optimizes or optimized or optimization optimizations or optimizing) and ((rank or ranks or ranked or ranking or rankings or sort or sorts or sorting or sorted or order or orders or ordering or ordered or ordering) near5 (rule or rules)) and (control or controls or controlled or controller or controlling) and (learn or learns or learned or learning or learner or teach or teaches or teachers or teaching or taught) and (fuzzy or fuzziness) and (model or models or modeling or modelling or modeled or modelled)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/17 17:59

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S12 1	56	(optimize or optimizes or optimized or optimization optimizations or optimizing) and ((rank or ranks or ranked or ranking or rankings or sort or sorts or sorting or sorted or order or orders or ordering or ordered or ordering) near5 (rule or rules)) and (control or controls or controlled or controller or controlling) and (learn or learns or learned or learning or learner or teach or teaches or teachers or teaching or taught) and ((fuzzy or fuzziness) near5 (model or models or modeling or modelling or modeled or modelled))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/18 13:15
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fuzzy control linguistic variable

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[book] **Fuzzy Sets, Fuzzy Logic, and Fuzzy Systems** - group of 5 »

LA Zadeh, GJ Klir, B Yuan - 1996 - books.google.com

... The notion of fuzzy **control** was introduced for ... for Possibilistic Relational Universal **Fuzzy**) for natural ... concept of a **linguistic variable**, introduced initially ...

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[book] **Fuzzy Set Theory-And Its Applications** - group of 2 »

HJ Zimmermann - 2001 - books.google.com

... Automatic feedback **control**. Generic Mamdani **fuzzy** controller. **Linguistic variable** "Temperature". Rule consequences in the heating system example. ...

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**Fuzzy Control of pH Using Genetic Algorithms** - group of 2 »

CL Karr, EJ Gentry - ieeexplore.ieee.org

... including cement kiln **control**, task scheduling, and robot arm manipulation [1], [2]. These rule-based systems incorporate **fuzzy linguistic variables** into their ...

Cited by 251 - [Related Articles](#) - [Web Search](#)

[book] **Fuzzy control** - group of 15 »

KM Passino, S Yurkovich - 1998 - paginas.fe.up.pt

... Operation 50 2.3 General **Fuzzy** Systems 51 2.3.1 **Linguistic Variables**, Values, and ... 2.5 Simulation of **Fuzzy Control** Systems 91 2.5.1 Simulation of Nonlinear ...

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[book] **Neural Fuzzy Control Systems with Structured and Parameter Learning** - group of 5 »

CT Lin, CT Lin - 1994 - books.google.com

... Combining **fuzzy** logic and possibility theory, **fuzzy** logic **control** systems base their decisions on inputs in the form of **linguistic variables** derived from ...

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[book] **An Introduction to Fuzzy Control** - group of 5 »

D Driankov, H Hellendoorn, M Reinfrank, R Palm, L ... - 1996 - books.google.com

... for supervisory and direct expert **control**. ... the concept of a **fuzzy** relation and a ... of approximate reasoning such as **linguistic variable**, **fuzzy** propositions and ...

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[book] **Fuzzy Modeling for Control** - group of 2 »

R Babuska - 1998 - books.google.com

... 41.5 **Control** Design Based on **Fuzzy** Models 61.6 Outline of the Book 62. **FUZZY MODELING** 92. 1 **Linguistic Fuzzy** Models 10 2.1.1 **Linguistic** Terms and **Variables** 11 ...

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[book] **Fuzzy Logic** - group of 8 »

LA Zadeh - 1988 - doi.ieeeecs.org

... the implementation of **fuzzy** algorithms and **control** rules. ... of both non- **fuzzy** and **fuzzy** predicate-modifiers ... to a system for computing with **linguistic** variables ...

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**Application of fuzzy logic to approximate reasoning using linguistic synthesis**

EH Mamdani - Proceedings of the sixth international symposium on Multiple ..., 1976 - portal.acm.org



fuzzy control linguistic parameter

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[L Wang](#)[J Jang](#)[K Passino](#)[H Wang](#)[G Klir](#)**Stable adaptive fuzzy control of nonlinear systems - group of 4 »**LX Wang - **Fuzzy Systems**, IEEE Transactions on, 1993 - [ieeexplore.ieee.org](#)... is chosen assuming that the estimated **parameters** represent the true values of the plant **parameters**. Page 3 In **fuzzy control**, linguistic information from human ...[Cited by 411](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**[BOOK] Neural Fuzzy Control Systems with Structured and Parameter Learning - group of 5 »**CT Lin, CT Lin - 1994 - [books.google.com](#)... Combining **fuzzy** logic and possibility theory, **fuzzy** logic control systems base their decisions on inputs in the form of **linguistic** variables derived ...[Cited by 166](#) - [Related Articles](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)**Fuzzy Control of pH Using Genetic Algorithms - group of 2 »**CL Karr, EJ Gentry - [ieeexplore.ieee.org](#)... introduced by altering system **parameters** such as ... areas, including cement kiln control, task scheduling ... based systems incorporate **fuzzy linguistic** variables into ...[Cited by 251](#) - [Related Articles](#) - [Web Search](#)**An approach to fuzzy control of nonlinear systems: stability and design issues - group of 3 »**HO Wang, K Tanaka, MF Griffin - **Fuzzy Systems**, IEEE Transactions on, 1996 - [ieeexplore.ieee.org](#)... 3, R.Langari and M.Tomizuka, "Analysis and synthesis of **fuzzy linguistic control** systems," Proc. 1990 ASME Winter Ann. Meet., pp. 35-42, 1990. ...[Cited by 542](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**A fuzzy-logic-based approach to qualitative modeling - group of 4 »**M Sugeno, T Yasukawa - IEEE Transactions on **Fuzzy Systems**, 1993 - [saba.kntu.ac.ir](#)... The design procedure is thus something like the following: first, we build **linguistic control** rules; second, we adjust the **parameters** of **fuzzy** sets by which ...[Cited by 779](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)**[BOOK] Fuzzy control - group of 15 »**KM Passino, S Yurkovich - 1998 - [paginas.fe.up.pt](#)... model of the plant and use the **parameters** of such a ... General **Fuzzy Systems** 51  
2.3.1 **Linguistic** Variables, Values ... 2.5 Simulation of **Fuzzy Control** Systems 91 2.5. ...[Cited by 428](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)**Stable adaptive control using fuzzy systems and neural networks - group of 3 »**JT Spooner, KM Passino - **Fuzzy Systems**, IEEE Transactions on, 1996 - [ieeexplore.ieee.org](#)... a technique is presented in which **linguistic** knowledge of the ... of heuristic knowledge about how to **control** a plant ... all the **parameters** of the **fuzzy** controller a ...[Cited by 197](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**Fuzzy systems are universal approximators**LX Wang - **Fuzzy Systems**, 1992., IEEE International Conference on, 1992 - [ieeexplore.ieee.org](#)... **linguistic** statements that contain most of the information ... temperature prediction, truck backer-upper **control**, and chaotic ... in [9] to generate **fuzzy** rules from ...[Cited by 343](#) - [Related Articles](#) - [Web Search](#)**Essentials of fuzzy modeling and control - group of 3 »**RR Yager, DP Filev - 1994 - [portal.acm.org](#)



optimized linguistic variable

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[R Cheng](#)[C Lin](#)[W Farag](#)[W Duch](#)[C Chang](#)

Architecture of a CMOS fuzzy logic controller with **optimized** memoryorganisation and operator design - group of 2 »

H Eichfeld, M Lohner, M Muller - Fuzzy Systems, 1992., IEEE International Conference on, 1992 - [ieeexplore.ieee.org](#)

... when the number of input **variables** increases, as ... instructions to process the **linguistic** protocol rapidly /6 ... Therefore, we **optimize** the rule memory organisation ...

[Cited by 21](#) - [Related Articles](#) - [Web Search](#)

A genetic-based neuro-fuzzy approach for modeling and control of dynamical systems - group of 4 »

WA Farag, VH Quintana, G Lambert-Torres - Neural Networks, IEEE Transactions on, 1998 - [ieeexplore.ieee.org](#)

... GA) is proposed and used for **optimized** tuning of ... most important issues [2]–[5]. A **linguistic** model is a ... its rules and input–output **variables** are described ...

[Cited by 69](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

GA-**optimized** fuzzy controller for spacecraft attitude control - group of 2 »

A Satyadas, K Krishnakumar - Fuzzy Systems, 1994. IEEE World Congress on Computational ..., 1994 - [ieeexplore.ieee.org](#)

... We use a base set of [-1,+1]. The hedges for the **linguistic variables** over the base set ... The Gaussian membership function with GA-**optimized** parameters are used. ...

[Cited by 12](#) - [Related Articles](#) - [Web Search](#)

Temperature Control Of Semiconductor Metal-oxide Gas Sensors By Means Of Fuzzy Logic - group of 4 »

S Jonda, M Fleischer, H Meixner - Solid-State Sensors and Actuators, 1995 and Eurosensors IX. ..., 1995 - [ieeexplore.ieee.org](#)

... degree of membership Figure 6. **Optimized linguistic variables** of the input (temperature, change of temperature) The temperature course in this tested ...

[Cited by 6](#) - [Related Articles](#) - [Web Search](#)

Advanced fuzzy logic control technologies in automotive applications

C von Altrock, B Krause, HJ Zimmermann - Fuzzy Systems, 1992., IEEE International Conference on, 1992 - [ieeexplore.ieee.org](#)

... often wants to try slight changes in the definitions (**linguistic variables**, rules) on ... With that, the control strategy may be **optimized** on the running process ...

[Cited by 14](#) - [Related Articles](#) - [Web Search](#)

... case study of knowledge acquisition: From connectionist learning to an **optimized** fuzzy knowledge base

M Mohammadian, XH Yu, JD Smith - Emerging Technologies and Factory Automation, 1993. Design ..., 1993 - [ieeexplore.ieee.org](#)

... controller developed by Kosko and Kong was **optimised** by Wiggins [3 ... changing the membership functions without changing the **linguistic variable** definitions, or ...

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Neural optimization of **linguistic** variables and membership functions - group of 3 »

W Duch, RM Adamczak, K Grqbczowski - [ieeexplore.ieee.org](#)

... rules extracted, **linguistic variables optimized** and the extraction process repeated until the whole procedure converges to a stable set of rules and **linguistic** ...

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